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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/587,732	06/05/2000	Young-fu Chang	7-11-14-2-10-4	7880

7590

02/12/2003

Walter W Duft
LAW OFFICES OF WALTER W. DUFT
10255 MAIN STREET
SUITE 10
CLARENCE, NY 14031

EXAMINER

FERGUSON, KEITH

ART UNIT

PAPER NUMBER

2683

DATE MAILED: 02/12/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/587,732

Applicant(s)

CHANG ET AL.

Examiner

Keith T. Ferguson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 June 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-41 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-41 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5. 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. Claim 11 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 11 recites the limitation "said local network" in line 1. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

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3. Claims 1-37 and 39-40 are rejected under 35 U.S.C. 102(e) as being anticipated by Sallberg.

The claimed invention of Sallberg is taught as follows:

Regarding claims 1,10,12,23,24,32-37,39,40, Sallberg discloses in a wireless telecommunication system (fig. 3a), a method/system/wireless terminal for providing/receiving service features (call forwarding) for wireless calls (paragraph 0015, lines 16-21), comprising the steps of a switch (MSC/VLR) (fig. 3a number 320) for accessing a packet data network (internet network) for administering service features for a wireless call to or from a wireless terminal (radio) (fig. 3a number 300) *(paragraph 0015 lines 16-21); and accessing a home network (fig. 3a number 305) (paragraph 0022, lines 7-8), regardless of the location of said wireless terminal (location area 305) (page 2, paragraph 0022, lines 7-8), for managing all service features in a central location (call forward gateway) (fig. 3a number 325) (pages 2-3, paragraph 0022), said home network being connected to said packet data network (fig. 3a numbers 305,370,390), Sallberg further discloses the steps of in response to a call to or from a wireless terminal in a local network (single wireless network) (location area) connected to a packet data network (fig. 3a number 390) (page 2, paragraph 0021), sending a service feature (call forwarding) request across said packet data network to a packet data feature server adapted to administer service features for said wireless terminal (page 2, paragraph 0021 lines 7-17); and returning a service feature response to said local network (page 2, paragraph 0021 lines 7-17 and pages 2-3, paragraph 0022).

Regarding claims 2 and 13, Sallberg discloses said home network is a home network associated with said wireless terminal (page 2, paragraph 0022, lines 7-8).

Regarding claim 3, Sallberg discloses accessing a packet data feature server in said home network (page 2, paragraph 0021).

Regarding claims 4 and 15, Sallberg discloses said feature server consulting a home location register database in said home network (page 2, paragraph 0022, lines 7-8).

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Regarding claims 5 and 16, Sallberg discloses said feature server passing service feature control to a packet data feature server that is local to said wireless terminal (page 2, paragraph 0021, lines 7-18).

Regarding claims 6,11 and 22, Sallberg discloses accessing said data network from a local network (wireless network) (fig. 3a number 305) to which said mobile terminal is connected (fig. 3a).

Regarding claims 7 and 18, Sallberg discloses said data network accessing step, said home network accessing step, and switch are performed on a call-by-call basis (i.e. when a call is made or call connection) (page 2, paragraphs 0021 and 0022).

Regarding claims 8 and 19, Sallberg discloses said wireless call is a voice call (page 1, paragraph 0002).

Regarding claims 9 and 20, Sallberg discloses said wireless call is a data call (data communication) (page 2, paragraph 0015).

Regarding claims 14,21 and 25, Sallberg discloses said home network is a home network associated with wireless terminals of plural wireless networks (fig. 3a number 390 and 350).

Regarding claim 17, Sallberg discloses said switch is adapted to access said data network from a local network to which said mobile terminal is connected (fig. 3a numbers 320,390 and 305).

Regarding claims 26 and 29, Sallberg discloses in a data network feature server (internet/voice gateway server) (fig. 3a numbers 330 and 440) (page 2, paragraph 0021), a method for providing service features for wireless calls) (page 2 and 3, paragraphs 0021 and 0025), comprising the steps of storing service feature logic for a plurality of wireless terminals (HLR or VLR) (inherent, taught on page 2, paragraph 0022 lines 4-7 and page 3 paragraph 0025); communicating service feature messages via a data network (internet) with a switch (MSC/VLR) located in a wireless network (page 3, paragraph 0025), said switch being in communication with a wireless terminal whose service feature logic is maintained by said feature server (page 2 and 3, paragraph 0022 and 0025); and communicating, as necessary,

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service feature messages via a data network with said wireless terminal (page 2 and 3, paragraph 0022 and 0025).

Regarding claims 27 and 30, Sallberg discloses determining whether additional service feature information (ms has purchase call forwarding) (control programming) is required for said wireless terminal (page 3, paragraph 0022 lines 1-6), and obtaining such information from a service feature information resource (voice gateway) that is in communication with said feature server (page 2 lines 7-26 and page 3, paragraph 0022 lines 1-6).

Regarding claims 28 and 31, Sallberg discloses determining whether local feature service is required for said wireless terminal (page 2 and 3 paragraph 0022), and if so, passing service feature control to a local feature server (MSC/VLR) associated with said wireless network (page 3 paragraph 0022, lines 1-6 and paragraph 0025).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 38 and 41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sallberg in view of Hartmaier.

Regarding claims 38 and 41, Sallberg discloses a method/wireless terminal as discussed supra in claims 36,37,39 and 40. Sallberg differs from claims 38 and 41 of the claimed invention in that it do not disclose means for performing a look-up of a data network address. Hartmaier teaches means (network node) for performing a look-up of a data network address (abstract and col. 2 lines 20-

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32). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made To provide Sallberg means for performing a look-up of a data network address in order to rout a call forward feature through a data network by checking an internet address to the mobile station, as taught by Hartmaier.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ho et al. (U.S. Patent 6,224,477) discloses storing service feature logic for a plurality of wireless terminals (col. 3 lines 39-63). Fride et al. (U.S. Patent 6,137,791) discloses communication packet data with a mobile station roaming within an incompatible mobile network. Voit (U.S. Patent 6,185,204) discloses a internet phone to PSTN cellular PCS system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Keith T. Ferguson whose telephone number is (703) 305-4888. The examiner can normally be reached on 6:30am-5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on (703) 308-5318. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9314 for regular communications and (703) 872-9314 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-0377.

Keith Ferguson *KF*
Art Unit 2683
February 3, 2003


WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600